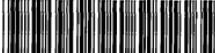
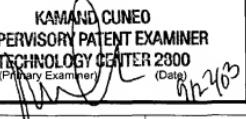
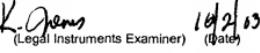


|   |  |  |  |                 |              |  |
|---|--|--|--|-----------------|--------------|--|
| <b>Issue Classification</b>   |  |  |  | Application No. | Applicant(s) |  |
|  |  |  |  | 09/986,445      | PARK ET AL.  |  |
|   |  |  |  | Examiner        | Art Unit     |  |
|   |  |  |  | Scott B. Geyer  | 2829         |  |

| ISSUE CLASSIFICATION  |          |   |                                   |                          |                          |
|---|----------|---|-----------------------------------|--------------------------|--------------------------|
| ORIGINAL  |          | CROSS REFERENCE(S)  |                                   |                          |                          |
| CLASS   | SUBCLASS | CLASS   | SUBCLASS (ONE SUBCLASS PER BLOCK) |                          |                          |
| 438   | 586      | 438   | 595                               | 669                      |                          |
| INTERNATIONAL CLASSIFICATION  |          |   |                                   |                          |                          |
| H 0 1 L   | 21/3205  |   |                                   |                          |                          |
| H 0 1 L   | 21/44    |   |                                   |                          |                          |
|   | /        |   |                                   |                          |                          |
|   | /        |   |                                   |                          |                          |
|   | /        |   |                                   |                          |                          |
| <br>(Assistant Examiner) <b>9/11/03</b><br>(Date)          |          | <b>KAMAND CUNEO</b><br>SUPERVISORY PATENT EXAMINER<br>TECHNOLOGY CENTER 2800<br>(Primary Examiner) <br>(Date) <b>9/11/03</b> |                                   | Total Claims Allowed: 20 |                          |
| <br>(Legal Instruments Examiner) <b>10/21/03</b><br>(Date) |          |   |                                   | O.G.<br>Print Claim(s) 1 | O.G.<br>Print Fig. 6,7,8 |

| <input type="checkbox"/> Claims renumbered in the same order as presented by applicant |          | <input type="checkbox"/> CPA |          | <input type="checkbox"/> T.D. |          | <input type="checkbox"/> R.1.47 |          |
|--|----------|------------------------------|----------|-------------------------------|----------|---------------------------------|----------|
| Final  | Original | Final                        | Original | Final                         | Original | Final                           | Original |
| 1 1  |          | 31                           | 61       | 91                            | 121      | 151                             | 181      |
| 2 2  |          | 32                           | 62       | 92                            | 122      | 152                             | 182      |
| 3 3  |          | 33                           | 63       | 93                            | 123      | 153                             | 183      |
| 4 4  |          | 34                           | 64       | 94                            | 124      | 154                             | 184      |
| 5 5  |          | 35                           | 65       | 95                            | 125      | 155                             | 185      |
| 6 6  |          | 36                           | 66       | 96                            | 126      | 156                             | 186      |
| 7 7  |          | 37                           | 67       | 97                            | 127      | 157                             | 187      |
| 8 8  |          | 38                           | 68       | 98                            | 128      | 158                             | 188      |
| 9 9  |          | 39                           | 69       | 99                            | 129      | 159                             | 189      |
| 10 10  |          | 40                           | 70       | 100                           | 130      | 160                             | 190      |
| 11 11  |          | 41                           | 71       | 101                           | 131      | 161                             | 191      |
| 12 12  |          | 42                           | 72       | 102                           | 132      | 162                             | 192      |
| 14 13  |          | 43                           | 73       | 103                           | 133      | 163                             | 193      |
| 15 14  |          | 44                           | 74       | 104                           | 134      | 164                             | 194      |
| 13 15  |          | 45                           | 75       | 105                           | 135      | 165                             | 195      |
| 16 16  |          | 46                           | 76       | 106                           | 136      | 166                             | 196      |
| 17 17  |          | 47                           | 77       | 107                           | 137      | 167                             | 197      |
| 18 18  |          | 48                           | 78       | 108                           | 138      | 168                             | 198      |
| 19 19  |          | 49                           | 79       | 109                           | 139      | 169                             | 199      |
| 20 20  |          | 50                           | 80       | 110                           | 140      | 170                             | 200      |
| 21   |          | 51                           | 81       | 111                           | 141      | 171                             | 201      |
| 22   |          | 52                           | 82       | 112                           | 142      | 172                             | 202      |
| 23   |          | 53                           | 83       | 113                           | 143      | 173                             | 203      |
| 24   |          | 54                           | 84       | 114                           | 144      | 174                             | 204      |
| 25   |          | 55                           | 85       | 115                           | 145      | 175                             | 205      |
| 26   |          | 56                           | 86       | 116                           | 146      | 176                             | 206      |
| 27   |          | 57                           | 87       | 117                           | 147      | 177                             | 207      |
| 28   |          | 58                           | 88       | 118                           | 148      | 178                             | 208      |
| 29   |          | 59                           | 89       | 119                           | 149      | 179                             | 209      |
| 30   |          | 60                           | 90       | 120                           | 150      | 180                             | 210      |